Title (en)
METHOD, DEVICE AND SYSTEM FOR AUTOMATICALLY DISCOVERING OPTICAL FIBER CONNECTIONS WITHIN NETWORK ELEMENT

Title (de)
VERFAHREN, VORRICHTUNG UND SYSTEM ZUR AUTOMATISCHEN ERKENNUNG VON GLASFASERVERBINDUNGEN IN EINEM NETZWERKELEMENT

Title (fr)
PROCÉDÉ, DISPOSITIF ET SYSTÈME PERMETTANT DE DÉCOUVRIR AUTOMATIQUEMENT DES CONNEXIONS PAR FIBRE OPTIQUE DANS UN ÉLÉMENT DE RÉSEAU

Publication
EP 2461521 B1 20180808 (EN)

Application
EP 10811141 A 20100419

Priority
• CN 200910169609 A 20090827
• CN 2010071898 W 20100419

Abstract (en)
[origin: EP2461521A1] A method, device and system for automatically discovering optical fibre connection within a network element are provided. In the method, a destination board determines whether it is connected with a source single board for the first time according to a triple group message received within a predefined period and sent by the source single board, and if yes, sends a sextuple group message generated based on its triple group message to an ASON, and stores the sextuple group message in a local database; otherwise, it sends the sextuple group message stored in the local database and corresponding to the triple group message, to the ASON when timing is reached; when receiving the sextuple group message and determining that the sextuple group message is not stored locally, the ASON detects validity of a connection corresponding to the sextuple group message, and locally stores the sextuple group message if the connection is valid, otherwise, displays connection error information to a user.

IPC 8 full level
H04L 12/28 (2006.01); **H04L 12/12** (2006.01); **H04L 12/24** (2006.01); **H04L 12/64** (2006.01); **H04Q 11/00** (2006.01)

CPC (source: EP US)
H04L 12/12 (2013.01 - EP US); **H04L 12/6418** (2013.01 - EP US); **H04L 41/12** (2013.01 - US); **H04Q 11/0062** (2013.01 - EP US); H04Q 2011/0079 (2013.01 - EP US); H04Q 2011/009 (2013.01 - EP US); H04Q 2213/1301 (2013.01 - EP US); H04Q 2213/13166 (2013.01 - EP US); Y02D 30/50 (2020.08 - EP US)

Cited by
WO2005121805A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2461521 A1 20120606; **EP 2461521 A4 20161130**; **EP 2461521 B1 20180808**; CN 101640822 A 20100203; CN 101640822 B 20130116; US 2012141126 A1 20120607; US 8670347 B2 20140311; WO 2011022975 A1 20110303

DOCDB simple family (application)
EP 10811141 A 20100419; CN 200910169609 A 20090827; CN 2010071898 W 20100419; US 201013258286 A 20100419